

REV.
A

AS4475

FEDERAL SUPPLY CLASS
4720

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

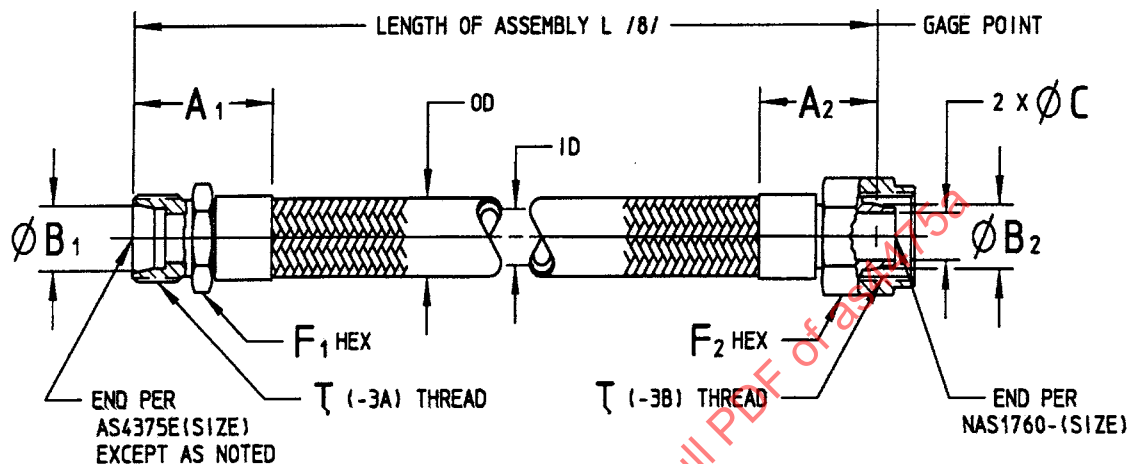
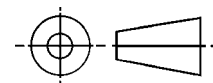


FIGURE 1 - HOSE ASSEMBLY

TABLE 1 - HOSE ASSEMBLY DIMENSIONS

BASIC NO. AND SIZE CODE	HOSE SIZE (REF)	C MIN THRU	F ₁ HEX ACROSS FLATS (REF)	F ₂ HEX ACROSS FLATS (REF)	ID (REF)	OD MIN	OD MAX
AS4475-04	.250	.174	.50	.56	.250	.37	.48
AS4475-06	.375	.291	.62	.69	.375	.53	.59
AS4475-08	.500	.409	.81	.88	.500	.65	.73
AS4475-10	.625	.495	.94	1.00	.625	.81	.85
AS4475-12	.750	.646	1.12	1.25	.750	.94	.98
AS4475-16	1.000	.898	1.36	1.50	1.000	1.19	1.23

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3D

PROCUREMENT SPECIFICATION: AS4468 /2/

SAE Aerospace
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(R)

AEROSPACE STANDARDHOSE ASSEMBLY, LINED SILICONE,
125 PSI, FLARELESS, POTABLE WATER,
STRAIGHT MALE TO STRAIGHT FEMALE**AS4475**
SHEET 1 OF 3**REV.**
A

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ISSUED 1992-05 REVISED 2001-08 REAFFIRMED 2007-01

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TABLE 2 – END FITTING DIMENSIONS

BASIC NO. AND SIZE CODE	THREAD T PER AS8879 (REF)	A ₂ MAX	A ₁ MAX	B ₂ GAGE	B ₁ GAGE
AS4475-04	.4375-20UNJF-3B/A	1.18	1.33	.2930	.2930
AS4475-06	.5625-18UNJF-3B/A	1.27	1.39	.4120	.4160
AS4475-08	.7500-16UNJF-3B/A	1.28	1.48	.5600	.5600
AS4475-10	.8750-14UNJF-3B/A	1.38	1.66	.6730	.6860
AS4475-12	1.0625-12UNJ-3B/A	1.53	1.87	.8100	.8100
AS4475-16	1.3125-12UNJ-3B/A	1.57	1.89	1.0620	1.0620

TABLE 3 – LENGTH TOLERANCE

HOSE ASSEMBLY LENGTH	PREFERRED INCREMENTS	TOLERANCE
UNDER 18 in	(NOT LESS THAN) .125	+.125/-.125
18 TO 36 in EXCLUSIVE	(NOT LESS THAN) .250	+.250/-.250
36 TO 100 in EXCLUSIVE	(NOT LESS THAN) .500	+.375/-.375
100 in AND OVER	(NOT LESS THAN) 1.000	+.5%/-.500

TABLE 4 - HOSE ASSEMBLY WEIGHT INFORMATION

HOSE SIZE CODE	HOSE lb/in NOM (REF)	END FITTING lb/EA NAS1760 NOM (REF)	END FITTING lb/EA AS4375 NOM (REF)	HOSE LENGTH CORRECTION FACTOR, in /9/ NAS1760	HOSE LENGTH CORRECTION FACTOR, in /9/ AS4375
04	.0038	.048	.028	.53	.68
06	.0064	.073	.043	.62	.74
08	.0081	.112	.075	.63	.83
10	.0111	.150	.102	.73	.96
12	.0137	.265	.177	.72	1.02
16	.0182	.356	.241	.76	1.07